

Application No. 10/069,233

IN THE CLAIMS

1. (currently amended) A simulation test system comprising a first multi-axis simulation table and a second multi-axis simulation table, wherein the first and second multi-axis simulation tables are arranged to receive separate parts of a system to be tested, and wherein each of the first and second multi-axis simulation tables are controlled for movement in each of six degrees of freedom.
2. (original) A simulation test system according to claim 1 wherein said first and second multi-axis simulation tables are uncoupled.
3. (currently amended) A method for simulation testing comprising providing first and second multi-axis simulation tables figs, mounting a first part of a system to be tested to said first multi-axis simulation table fig and mounting a second part of said system to be tested on said second multi-axis simulation table fig, wherein each of the first and second multi-axis simulation tables are controlled for movement in each of six degrees of freedom.
4. (currently amended) A method according to claim 3 wherein said first and second multi-axis simulation tables figs are uncoupled.
5. canceled.
6. (original) The simulation test system of claim 1, wherein each multi-axis simulation table has a plurality of actuators for moving each of the tables, the actuators for one table being independent of the actuators of the other table so that movement imparted by actuators to one table can vary from movement imparted by actuators to the other table.
7. (original) The simulation test system of claim 6, wherein each of the plurality of actuators is hydraulically driven.
8. (original) The simulation test system of claim 1, wherein a first plurality of actuators are arranged to provide a generally horizontal motion and a second plurality of actuators are arranged to provide a generally vertical motion to each multi-axis simulation table.
9. (currently amended) The simulation test system of claim 8 [[9]], wherein the first plurality of actuators include two actuators that are aligned to impart a parallel generally horizontal motion, and one actuator positioned impart a generally horizontal motion perpendicular to the parallel motion imparted by the two actuators.
10. (currently amended) The simulation test system of claim 1, further including an exhaust system comprising an engine supported by one of the multi-axis multi-task simulation tables, at

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least one exhaust pipe extending from the engine, and at least one exhaust pipe hanger supported by the other multi-axis ~~multi-task~~ simulation table.

11. (original) The simulation test system of claim 10, comprising a pair of exhaust pipes, and a pair of exhaust pipe hangers.

12. (currently amended) The method of claim 3, comprising subjecting each table rig to movement through a plurality of actuators for durability testing of the system.

13. (original) The method of claim 12, wherein each actuator is hydraulically driven.

14. (currently amended) The method of claim 3, wherein each table rig subjected to generally horizontal and generally vertical forces as part of said movement.

15. (original) The method of claim 14, wherein generally horizontal forces are applied in two directions, one direction generally perpendicular to the other direction.

16. (currently amended) The method of claim 3, comprising durability testing an exhaust system by mounting an engine of the exhaust system to one of the tables rigs and at least one exhaust pipe of the exhaust system to the other of the tables rigs.

17. canceled.

18. (currently amended) The method of claim 3, wherein one table rig is subjected to one set of movements and the other table rig is subjected to ~~a another~~ and different set of the movements for the simulation testing.

19. (currently amended) The method of claim 15, comprising durability testing an exhaust system by mounting an engine of the exhaust system to one of the tables rigs and at least one exhaust pipe of the exhaust system to the other of the tables rigs.
